

## GCSE Design Technology

### Curriculum Content

<b>CURRICULUM OUTLINE GCSE DT</b>	<b>YEAR 10</b>	<b>YEAR 11</b>
<b>SUMMER 2 (ROLL OVER)</b>	Superhero storage	NEA Intro, Explore AQA Titles.
<b>AUTUMN 1</b>	Superhero storage. Theory: <ul style="list-style-type: none"><li>- Polymers</li><li>- Woods &amp; Boards</li></ul>	NEA Section A&B
<b>AUTUMN 2</b>	Superhero storage Cultural Lighting Theory: <ul style="list-style-type: none"><li>- Conversion of raw materials.</li></ul>	NEA Section C & D
<b>SPRING 1</b>	Cultural Lighting Theory: <ul style="list-style-type: none"><li>- Manufacturing Processes</li></ul>	NEA Section E
<b>SPRING 2</b>	Cultural Lighting Theory: <ul style="list-style-type: none"><li>- Industry and Automation</li></ul>	NEA Section F & submission Theory: Forces and Stresses Human Factors Energy Generation and Storage Modern materials.
<b>SUMMER 1</b>	NEA preliminary work Theory: <ul style="list-style-type: none"><li>- Production</li></ul>	Exam preparation, remaining theory Theory: Mechanical Devices

		Social and Ecological Footprint QA and QC Communication of Ideas Designers and Design Movements
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## **Skills**

Skills developed throughout the course include:

- Workshop Skills, working with tools and equipment
- Analysing and investigating sources
- Reviewing client needs.
- Sketching and drawing skills
- CAD/ CAM (including 2D Design, SketchUp, Laser cutting, 3D Printing)
- Working with a variety of Materials
- Planning and refining Ideas
- Development of concepts
- Making a Final Piece
- Evaluation and modifications

## **Assessment**

During Y10 student sit a range of in-class assessments based on theory content taught weekly. Their project work is also formatively assessed during this period. In Y11 students follow AQA Specification for the NEA which is a design and make portfolio over 6 sections (A-F). This portfolio is assessed formally out of 100 marks in line with AQA documentation and JCQ regulations for NEA.